

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
VIRAGE.007AAPPLICATION NO.  
08/870,836INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
Hampapur, et al.FILING DATE  
June 6, 1997GROUP  
2315 2713

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
AR	5,488,482	01/30/96	Ueda et al.	358	339	
AR	5,485,611	01/16/96	Astle	395	600	
AR	5,471,239	11/28/95	Hill et al.	348	155	
AR	5,459,517	10/17/95	Kunitake et al.	348	416	
AR	5,404,174	04/04/95	Sugahara	348	700	
AR	5,283,645	02/01/94	Alattar	348	384	
AR	5,259,040	11/02/93	Hanna	382	41	
AR	5,245,436	09/14/93	Alattar	358	182	
AR	5,099,322	03/24/92	Gove	358	105	
AR	4,390,904	06/28/83	Johnston et al.	358	335	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AR	A	JP 08 079 695 A ✓	22.03.96	Japan (Abstract in English attached)	H04N	005/262		X
AR	B	WO 96 05696 ✓	22.02.96	PCT with Abstract in English	H04N	5/781		X
AR	C	EP 0 690 413 A2 ✓	22.06.95	European Patent Office	G06T	7/20		
AR	D	EP 0 675 496 A2 ✓	23.03.95	European Patent Office	G11B	27/028		
AR	E	EP 0 660 327 A2 ✓	01.12.94	European Patent Office	G11B	27/28		
AR	F	EP 0 660 249 A1 ✓	07.12.94	European Patent Office	G06F	17/30		

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
AR	1	Hampapur, Arun, dissertation, University of Michigan, 185 pages, 1995, "Designing Video Data Management Systems."
AR	2	Jain, Ramesh, et al., Machine Vision, McGraw-Hill Series in Computer Science, Chapter 4, pp. 112-127, "Image Filtering."
AR	3	Jain, Ramesh, et al., Machine Vision, McGraw-Hill Series in Computer Science, Chapter 5, pp. 140-149, "Edge Detection."

EXAMINER

A. Rao

DATE CONSIDERED

4/22/99

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. VIRAGE.007A	APPLICATION NO. 08/870,836
	APPLICANT Hampapur, et al.	
	FILING DATE June 6, 1997	GROUP <del>2345</del> 2713

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>AK</i>	G	JP 07 079 431 A ✓	20.03.95	Japan (Abstract in English attached)	H04N	7/24		X
<i>AK</i>	H	EP 0 636 994 A1 ✓	01.02.95	European Patent Office	G06F	17/30		
<i>AK</i>	I	JP 3 085 076 A ✓	10.04.91	Japan (Title and Synopsis in English, no Abstract Available)	H04N	5/91		X

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
<i>AK</i>	4	Nagasaka, Akio and Yuzura Tanaka, Visual Database Systems, II, pp. 113 - 127, Copyright 1992,
		"Automatic Video Indexing and Full-Video Search for Object Appearances."

EXAMINER	A. Cao	DATE CONSIDERED	4/28/91
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